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CR-142838

APPLICATION OF REMOTE SENSING
FOR FISHERY RESOURCE
ASSESSMENT AND MONITORING

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SKYLAB EXPERIMENT NO. 240

CONTRACT NO. T-8217B

(E75-10294) APPLICATION OF REMOTE SENSING
FOR FISHERY RESOURCE ASSESSMENT AND
MONITORING Progress Report, 1 Apr. - 30
Apr. 1975 (National Marine Fisheries
Service, Bay) 3 p HC \$3.25

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PROGRESS REPORT NO. 16

REPORTING PERIOD: 1 April to 30 April 1975

Approved:

K. J. Savastano
K. J. Savastano
Principal Investigator

Date Submitted: 5/22/75

Technical Monitor: KH Faller
NASA/JSC Earth Resources Laboratory
National Space Technology Laboratories
Bay Saint Louis, Mississippi 39520

APPLICATION OF REMOTE SENSING
FOR FISHERY RESOURCE
ASSESSMENT AND MONITORING

INTRODUCTION

This is report #16 of a series of progress reports required by the Statement of Work for Skylab Experiment #240 entitled "Application of Remote Sensing for Oceanic Gamefish Assessment and Monitoring" under Contract No. T-8217B.

ITEMS RECEIVED FROM NASA/JSC

The following items were received from NASA/JSC during the time period of April 1 to April 30, 1975.

<u>ITEM</u>	<u>DATE</u>
Sensor Performance Evaluation Final Report, Volume VI (S194)	4/28/75
Quality Assessment Report for DPAR Number 256-04-15	4/28/75

OVERALL STATUS

A. S192

As stated in the previous progress report, a request has been made to the Program Office to reprocess the S192 data. The attached letter was received from Victor Ettredge and provides the current status of this system.

B. S191

A draft of the S191 section of the final report has been typed and edited.

C. S190A

Analysis of the S190A imagery was completed this month. Negative and positive spliced transparencies with the test site and white marlin distribution data

superimposed were density sliced and color enhanced. No relationship between white marlin location and image density level could be identified. Resulting density sliced/color enhanced images have been film recorded and processed. A draft of the S190A section of the final report has been prepared and submitted for typing.

D. S190B

Negative black and white transparencies from frames 220 and 221 were made from the original positive transparencies received from Houston. The negative transparencies were spliced together and reduced to approximately 9 x 4 1/2 inches and will be used in density slicing/color enhancement analysis.

EXPECTED ACCOMPLISHMENTS

The examination of the S190B imagery and the preparation of the draft of the S190B section of the final report as well as the preparation of a paper to be presented at the Earth Resources Survey Symposium will be completed in the next month. Reinitiation of work on the S192 processing and analysis will be started upon receiving the reprocessed S192 tapes.